

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	("vehicleand(airadjcondition \$3)andductandnoiseand (fanorblower)").PN.	EPO; JPO; DERWENT	OR	OFF	2012/01/30 08:52
L2	186	vehicle and (air adj condition \$3) and (channel or duct) and noise and (fan or blower)	EPO; JPO; DERWENT	OR	ON	2012/01/30 08:53
L3	27	2 and (silence\$1 or vane or guide\$1)	EPO; JPO; DERWENT	OR	ON	2012/01/30 08:55
S1	6	("3936606" "4044203" "4122674" "4815139" "5215454" "5339287").PN.	USPAT	OR	ON	2004/08/25 10:39
S2	1	"5606622".URPN.	USPAT	OR	ON	2004/08/25 10:40
S3	890	duct and (noise near2 reduc \$5)	EPO; JPO	OR	ON	2004/08/25 13:18
S4	17	S3 and vane	EPO; JPO	OR	ON	2004/08/25 10:47
S5	1	("4925372").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/25 10:47
S6	7	("2146028" "2892507" "3312304" "3375081" "3452667" "3585919" "3656576").PN.	USPAT	OR	ON	2004/08/25 11:09
S7	8	"3841434".URPN.	USPAT	OR	ON	2004/08/25 11:10
S8	227	(vehicle or automobile) and (duct with noise) and (blower or fan)	US-PGPUB; USPAT	OR	ON	2004/08/25 12:33
S9	34	(vehicle or automobile) and (duct with noise) and (blower or fan)	EPO; JPO	OR	ON	2004/08/25 12:50
S10	33	S8 and vanes	US-PGPUB; USPAT	OR	ON	2004/08/25 12:26
S11	28	S8 and (downstream near2 (blower or fan))	US-PGPUB; USPAT	OR	ON	2004/08/25 12:32
S12	1	S8 and (upstream near2 bend)	US-PGPUB; USPAT	OR	ON	2004/08/25 12:33
S13	32	(vehicle or automobile) and (duct with noise) and (blower or fan)	USOCR	OR	ON	2004/08/25 12:33

S14	0	S13 and (upstream near2 bend)	USOCR	OR	ON	2004/08/25 12:33
S15	1	(vehicle or automobile) and (duct with noise) and (blower or fan) and bend	EPO; JPO	OR	ON	2004/08/25 12:33
S16	0	S9 and vanes	EPO; JPO	OR	ON	2004/08/25 12:50
S17	5	(passenger adj compartment) and (duct and noise)	EPO; JPO	OR	ON	2005/06/20 15:12
S18	445	(passenger adj compartment) and (duct and noise)	US-PGPUB; USPAT	OR	ON	2004/08/25 13:22
S19	292	S18 and (blower or fan)	US-PGPUB; USPAT	OR	ON	2004/08/25 13:22
S20	12	("3686893" "3895686" "4109750" "4127183" "4167986" "4362223" "4957036" "5405106" "5722357" "5728980" "5758614" "5924398").PN.	US-PGPUB; USPAT	OR	ON	2004/08/19 15:36
S21	6	("2802764" "3726359" "3841434" "4266602" "4558892" "5165730").PN.	USPAT	OR	ON	2004/08/19 15:27
S22	2	"5728980".URPN.	USPAT	OR	ON	2004/08/19 15:27
S23	19	("3936606" "4236597" "4266602" "4424882" "4465437" "4596033" "4665549" "4787473" "4986170" "5119427" "5183976" "5268541" "5347585" "5473124" "5625172" "5728979" "5728980" "6116375" "6145616").PN.	USPAT	OR	ON	2004/08/19 15:30
S24	1521	((62/404,426,296) or (454/206,906) or (181/224,225)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/19 15:37
S25	225	((((62/404,426,296) or (454/206,906) or (181/224,225)).CCLS.) and duct and noise	US-PGPUB; USPAT	OR	ON	2005/01/27 15:34
S26	8	(((((62/404,426,296) or (454/206,906) or (181/224,225)).CCLS.) and duct and noise) and (noise with bend)	US-PGPUB; USPAT	OR	ON	2004/08/19 15:41
S27	0	(((((62/404,426,296) or (454/206,906) or (181/224,225)).CCLS.) and duct and noise) and (upstream adj2 bend)	US-PGPUB; USPAT	OR	ON	2004/08/19 15:41

S28	1	((((62/404,426,296) or (454/206,906) or (181/224,225)).CCLS.) and duct and noise) and (upstream adj4 bend)	US-PGPUB; USPAT	OR	ON	2004/08/19 15:42
S29	5	duct and noise and (upstream adj2 bend)	US-PGPUB; USPAT	OR	ON	2004/08/19 15:47
S30	2	duct and noise and (upstream adj2 bend)	EPO; JPO; DERWENT	OR	ON	2004/08/19 16:41
S31	1	duct and noise and (upstream adj2 bend)	USOCR	OR	ON	2004/08/19 15:51
S32	27	(fan or propeller or blower) and (downstream with noise)	USOCR	OR	ON	2004/08/19 18:25
S33	413	(fan or propeller or blower) and (downstream with noise)	US-PGPUB; USPAT	OR	ON	2004/08/19 18:13
S34	145	((fan or propeller or blower) and (downstream with noise)) and (duct with noise)	US-PGPUB; USPAT	OR	ON	2004/08/19 16:10
S35	5	("4191096" "4514598" "4991220" "5031872" "5606622").PN.	USPAT	OR	ON	2004/08/19 16:02
S36	1	"6078671".URPN.	USPAT	OR	ON	2004/08/19 18:35
S37	16	((wind or water) adj tunnel) and noise and vane	USOCR	OR	ON	2004/08/19 16:12
S38	77	((wind or water) adj tunnel) and noise and vane	USPAT	OR	ON	2004/08/19 16:36
S39	27	((wind or water) adj tunnel) and noise and honeycomb	USPAT	OR	ON	2004/08/19 16:31
S40	1	((wind or water) adj tunnel) and noise and honeycomb	USOCR	OR	ON	2004/08/19 16:32
S41	2	((wind or water) adj tunnel) and noise and honeycomb	EPO; JPO	OR	ON	2004/08/19 16:32
S42	3	((wind or water) adj tunnel) and noise and vane	EPO; JPO	OR	ON	2004/08/19 16:35
S43	5	("4191096" "4514598" "4991220" "5031872" "5606622").PN.	USPAT	OR	ON	2004/08/19 16:37
S44	144	duct and noise and vane	EPO; JPO; DERWENT	OR	ON	2004/08/19 16:41
S45	51	duct and noise and vane	EPO; JPO	OR	ON	2004/08/19 16:41
S46	14	vehicle and (duct near2 noise)	EPO; JPO	OR	ON	2004/08/19 17:19
S47	60	vehicle and (duct near2 noise)	USPAT	OR	ON	2004/08/19 17:00
S48	11	automobile and (duct near2 noise)	EPO; JPO	OR	ON	2004/08/19 17:22

S49	1	duct and (bend near2 noise)	EPO; JPO	OR	ON	2004/08/19 17:24
S50	2	duct and (bend near2 noise)	DERWENT	OR	ON	2004/08/19 17:25
S51	3	duct and (bend near2 noise)	USOCR	OR	ON	2004/08/19 17:25
S52	10	duct and (bend near2 noise)	US-PGPUB; USPAT	OR	ON	2004/08/19 18:44
S53	25	duct and (bend with noise)	EPO; JPO; DERWENT	OR	ON	2004/08/19 17:52
S54	54	duct and (bend with noise)	US-PGPUB; USPAT	OR	ON	2004/08/19 17:53
S55	90	((fan or propeller or blower) and (downstream with noise)) and (downstream near3 noise)	US-PGPUB; USPAT	OR	ON	2004/08/19 18:13
S56	18	(fan or propeller or blower) and (downstream near3 noise)	EPO; JPO; DERWENT	OR	ON	2004/08/19 18:25
S57	1	duct and (bend near2 noise)	EPO; JPO	OR	ON	2004/08/25 10:40
S58	8	((62/404,426,296) or (454/206,906) or (181/224,225)).CCLS.) and @PD> "20040801" and duct and noise	US-PGPUB; USPAT	OR	ON	2005/06/20 14:27
S59	32	("2308886" "2916101" "2994401" "3174581" "3187835" "3435911" "3511336" "3715009" "3762498" "4002023" "4362223" "4573551" "5168699" "5340276" "5473124" "5532439" "5603604" "5715672" "5728979" "6049615" "6056084" "6260658" "6263998" "6332510" "6332511").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/27 15:36
S60	3	((("20050076668") or ("20050045418") or ("20050045419")).PN.	US-PGPUB; USPAT	OR	OFF	2005/06/20 14:27
S61	58	vane and ((duct or pipe) with noise)	EPO; JPO	OR	ON	2005/06/20 15:30
S62	376	vane and ((duct or pipe) with noise) and (noise near reduc \$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/20 15:31
S63	2	("4084658" "5892186").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/20 15:42
S64	0	("6554100").URPN.	USPAT	OR	ON	2005/06/20 15:43

S65	20	("2586145" "2969559" "2972160" "3937590" "4132507" "4237576" "4461055" "4692091" "4734017" "4748712" "4884314" "4945604" "5074006" "5090088" "5251281" "5511281" "5727283").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/20 15:47
S66	20	("1974109" "1974110" "3219046" "3724499" "3827461" "3934614" "3945402" "4080997" "4130173" "4232710" "4309146" "4522058" "4581048" "4596586" "4821768" "4824614" "4898512").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/20 16:03
S67	10	("5323661").URPN.	USPAT	OR	ON	2005/06/20 16:05
S68	2	("3696883").URPN.	USPAT	OR	ON	2005/06/20 16:44
S69	4	("3132717" "3244254").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/20 16:45
S70	6	("2027359" "2990906" "3323305").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/20 16:46
S71	11	("3568791").URPN.	USPAT	OR	ON	2005/06/20 16:46
S72	8	("3194487").URPN.	USPAT	OR	ON	2005/06/20 16:49
S73	8	("3177972").URPN.	USPAT	OR	ON	2005/06/20 16:50
S74	5	("3113635" "3177972" "4109750").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/20 16:53
S75	7	("4362223").URPN.	USPAT	OR	ON	2005/06/20 16:54
S76	2	((("5970963") or ("5113838")).PN.	US-PGPUB; USPAT	OR	OFF	2005/12/06 16:10

EAST Search History (I nterference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	2	(vehicle and (air adj condition\$3) and (channel or duct) and noise and (fan or blower) and (silence\$1 or vane or guide\$1) and (upstream or downstream)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2012/01/30 09:08

L5	2	4 and (vehicle and (air adj condition\$3) and (channel or duct) and noise and (fan or blower) and (silence\$1 or vane or guide\$1) and (upstream or downstream))	US-PGPUB; USPAT; UPAD	OR	ON	2012/01/30 09:09
L6	33	(vehicle and (air adj condition\$3) and (channel or duct) and noise and (fan or blower) and ((silence\$1 or vane or guide\$1) near4 (bent or turn\$3)) and (upstream or downstream))	US-PGPUB; USPAT; UPAD	OR	ON	2012/01/30 09:10
L8	15	(vehicle and (air adj condition\$3) and (channel or duct) and noise and (fan or blower) and ((silence\$1 or vane or guide\$1) near4 (bend or turn\$3)) and (upstream or downstream))	US-PGPUB; USPAT; UPAD	OR	ON	2012/01/30 09:23
L9	37	(vehicle and (air adj condition\$3) and (channel or duct) and noise and (fan or blower) and ((silence\$1 or vane or guide\$1) near4 (bend or bent or turn\$3)) and (upstream or downstream))	US-PGPUB; USPAT; UPAD	OR	ON	2012/01/30 09:23

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